

Module Guidelines

Comments on how to document a
suite of related modules.

(EA core model requirement)

Engineering Analysis Core Model

- To be documented (part 107??) as a suite of related modules.
- Expect about 10 distinct modules
- All modules are related
- Require a single document for user/developer convenience
- Sample document prepared with 2 modules

Suggested Document Format (1)

Based Upon:

- Guidelines for the content of application modules (Revision 0.5)
- Supplementary Directives
- Layout of IR parts with multiple schemas
- Requirement to keep each module documentation as self-contained as possible.
- Need to separate normative and informative sections

Suggested Format (2)

- Common - applies to all modules:
- Foreword
- Introduction
- Scope (General scope of suite of modules)
- Normative references
- Definitions and abbreviations

Suggested Format (3)

2 Clauses for each module

First Clause for module:

- N.1 Units of functionality
- N.2 Referenced AM ARMs
- N.3 ARM types
- N.4 ARM entity definitions
- N.5 ARM rule definitions
- N.6 ARM function definitions

Suggested Format (4)

Second clause per module:

- $N + 1$ Module Interpreted Model
- $(N+1).1$ Mapping table
- $(N+1).2$ MIM EXPRESS short listing

Suggested Format (5)

Normative Annexes

- **A** MIM short names - grouped by module.
- **B** Information object and schema registrations - (each module has a separate MIM schema)

Suggested Format (6)

Informative Annexes

- **C** ARM EXPRESS-G - subclause per module.
- **D** MIM EXPRESS-G - subclause for each module.
- **E** ARM and MIM listings -subclause for each module.
- **F-H** usage guide, discussions, bibliography
- Index